



U.S. Department
of Homeland Security

United States
Coast Guard

LOCAL NOTICE TO MARINERS WEEKLY EDITION

District: 13

Week: 03/04

Boating Safety Classes or Information: 1-800-336-BOAT (2628)

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (oan)
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LIGHT LIST REFERENCE: COMDTPUB P16502.6, Light List Volume VI, 2003 Edition

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS)

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website

<http://www.navcen.uscg.gov/gps/status/default.htm>.

In addition, the NIS investigates all reports of degradation or loss of GPS, DGPS or LORAN service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil or on the World Wide Web at: <http://www.navcen.uscg.gov>.

BROADCAST NOTICE TO MARINERS

This section contains a range of all the significant Broadcast Notice to Mariners (BNM's) on the date of this edition.

<u>Originating Unit</u>	<u>Beginning BNM</u>	<u>Ending BNM</u>
CGD THIRTEEN	D13-0062-04	D13-0085-04

ABBREVIATIONS

ACOE - Army Corps of Engineers
ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
B - Buoy
BKW - Breakwater
B - Refer to Light List
BNM - Broadcast Notice to Mariner
CG - Refer to Light List
CHAN - Channel
CGD - Coast Guard District
CR - Refer to Light List
C/O - Cut Off
CONT - Contour
CONSTR - Construction
CRK - Creek
CONST - Construction
DBN - Daybeacon
DBD/DAYBD - Dayboard
DBN/DEST - Daybeacon Destroyed
DBN IMCH - Daybeacon Improper Characteristic
DISCON - Discontinued
DMGD - Daybeacon Damaged

EST - Established Aid
EVAL - Evaluation
EXT - Extinguished
FL - Flashing
F/S - Fog Signal
HAZ - Hazard to Navigation
HBR - Harbor
HOR - Horizontal Clearance
HT - Height
ICW - Intracoastal Waterway
IMPCHA - Improper Characteristics
INL - Inlet
INOP - Not Operating
ISL - Islet
KBG - Refer to Light List
KBG-I - Refer to Light List
KBR - Refer to Light List
KBR-I - Refer to Light List
KBW - Refer to Light List
KGB - Refer to Light List
KGB-I - Refer to Light List
KGR - Refer to Light List
KGR-I - Refer to Light List

KGW - Refer to Light List
KGW-I - Refer to Light List
KRB - Refer to Light List
KRB-I - Refer to Light List
KRG - Refer to Light List
KRG-I - Refer to Light List
KRW - Refer to Light List
KWB - Refer to Light List
KWB-I - Refer to Light List
KWG - Refer to Light List
KWG-I - Refer to Light List
KWR - Refer to Light List
KWR-I - Refer to Light List
LAT - Latitude
LB - Lighted Buoy
LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
LONG - Longitude
LNM - Local Notice to Mariners
LT - Light
LT CONT - Light Continuous
LWB - Lighted Whistle Buoy

MISS - Missing
MR - Refer to Light List
MR-I - Refer to Light List
N/A - Not Available
NB - Refer to Light List
N/C - Not Charted
ND - Refer to Light List
NG - Refer to Light List
NIMA - National Imagery and Mapping Agency
NL - Refer to Light List
NO - Number
NOS - National Ocean Service
NR - Refer to Light List
NW - Refer to Light List
NW - Notice Writer
NY - Refer to Light List

OBSCU - Obscured
OBST - Obstruction
OBSTR - Obstruction
PRIV - Private Aid
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REDINT - Reduced Intensity
RRL - Range Rear Light
RELIGHTED - Aid Relighted
RELOC - Relocated
RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River
SEC - Section

SG - Green Square on pile
SG-SY - Green Square with Yellow Square on pile
SHL - Shoaling
SND - Sound
STM - Statue Mile
TEMP - Temporary Aid Change
TR - Red Triangle on pile
TRLB - Temporarily Replaced by Lighted Buoy
TRLT - Temporarily Replaced by Light
TR-TY - Red Triangle with Yellow Triangle on pile
TRUB - Temporarily Replaced by Unlighted Buoy

Additional Abbreviations Specific to this LNM Edition:

DEST - Destroyed
LWP - Light Watching Properly

LED - Light Emitting Diode

CPA - Closest Point of Approach

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

WASHINGTON - ADMIRALTY INLET - Diving Operations

The Submerged Cultural Resources Exploration Team will be conducting dive operations at 47-55-30.0N 122-32-10.2W from 1230 to 1530 local 7 Feb and from 1300 to 1600 local 8 Feb 04. The dive platform will monitor VHF-FM channels 13 and 14. For additional information, contact Submerged Cultural Resources Exploration Team at (425) 455-3173.
Chart 18473

LNM: 03/04

WASHINGTON - EAST PASSAGE - Geoduck Harvesting

Geoduck harvesting dive operations will commence on 2 Feb 04 in the vicinity of Tramp Harbor on the east side of Vashon Island and on 15 Mar 04 in the vicinity of Sandy Point in Nisqually Reach. Diving operations will be conducted from 0800 to 1630 local, Mon through Fri excluding state holidays and finish 1 Apr 04. The Dept of Natural Resources patrol boat will be on site daily and monitor VHF-FM channel 8. The harvest vessels will display code ALPHA and the red and white sport dive flag. Vessels transiting the area are requested to stay 300 yds clear for divers safety.
Chart 18448

LNM: 03/04

WASHINGTON - STRAIT OF JUAN DE FUCA - Gunnery Exercise

The U.S. Coast Guard will be conducting gunnery exercises to a maximum of 10,000ft in area Whiskey Hotel from 0800 to 1600 local 5 Feb and from 0800 to 1600 local 6 Feb 04.
Chart 18480

LNM: 03/04

COLUMBIA RIVER - BONNEVILLE, THE DALLES, AND JOHN DAY DAMS - Closures(Revision of LNM 52/03)

The Bonneville and The Dalles Dams will be closed for inspection, maintenance, and repair from 0630 local 06 Mar to 2359 local 20 Mar 04.

The John Day Navigational Locks will have daily closures for drilling and grouting from 0700 to 1900 local 20 Jan, 1400 to 2200 local 21 Jan, 0800 to 1600 local 22 Jan, and from 0700 to 1900 local on 23 and 24 Jan 04. The John Day Navigational Locks will also be closed for 48 hour closures for inspection, maintenance, and repair from 1200 local the first day until 0900 local the last day on 25-27 Jan, 01-03, 08-10, 15-17, 22-24 Feb, and 29 Feb to 02 Mar 04. The John Day Navigational Locks will be closed for 28 days from 0630 local 06 Mar 04 to 0630 local 03 Apr 04. Additionally, the John Day Navigational Lock will be closed for 12 hours daily, excluding Sundays from 0800 to 2000 local from 12 Apr to 05 Jun 04. For additional information, contact ACOE Portland District at (503) 808-4333.
Charts 18531, 18533, 18535

LNM: 03/04

MONTANA - LORSTA HAVRE - LORAN -C Proposed Outage

LORAN Station Havre (Rate 8290-M) proposes an unusable time from 1700 to 1900Z on 19 Feb 04. The alternate time will be from 1700 to 1900Z on 20 Feb 04. Objections will be considered until 0900 local on 13 Feb 04. For additional information or objections, contact the Chain Operations Control Officer, U.S. West Coast Chain at (707) 765-7518/7598.
Chart N/A

LNM: 03/04

OREGON - COAST GUARD REGIONAL EXAM CENTER PORTLAND - Closure

Effective 4 Feb 2004 the Coast Guard Regional Exam Center (REC) Portland, OR will be closed every Wednesday afternoon for employee training and mariner application processing. For additional information, contact REC Portland at (503) 240-9346
Chart N/A

LNM: 02/04

THIRTEENTH COAST GUARD DISTRICT - RADIOTELEPHONE SERVICE ON FREQUENCY 2182.0 KHZ

The U.S. Coast Guard international distress and calling radiotelephone service on the frequency 2182.0 kHz may be operating at reduced power and sensitivity due to shoreside radio infrastructure problems. Action is underway to correct these problems.

The U.S. Coast Guard is operating a medium frequency Digital Selective Calling distress and safety service on a trial operational basis only. A Global Maritime Distress and Safety System (GMDSS) Sea Area A2 will not be declared in U.S. waters until shoreside radio infrastructure problems can be corrected.

Chart N/A

LNM: 01/04

COLUMBIA AND SNAKE RIVERS - Annual Maintenance Lock Closures

The McNary Lock and Dam, Ice Harbor Lock and Dam, Lower Monumental Lock and Dam, Little Goose Lock and Dam, and Lower Granite Lock and Dam will be closed for maintenance, inspection and repair work from 0600 local 06 Mar 04 to 2359 local 20 Mar 04. For additional information, contact ACOE Walla Walla District at (509) 527-7115.

Charts 18541, 18545, 18547, 18548

LNM: 52/03

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
765/ 16150	Duntze Rock Lighted Whistle Buoy 2D	REDINT / 3NM TEMP LED	18480	D13-0755-03	26/03	
8775	Coos Bay Channel Lighted Bell Buoy 5	Off Station / 12 yds bearing 120°T	18587	D13-1218-03	39/03	
9785	Depoe Bay Entrance Lighted Bell Buoy 2	EXT	18561	D13-1361-03	43/03	
9815	Tillamook Bay Entrance Bell Buoy 1	MISS	18558	D13-1446-03	47/03	
9930	Peacock Spit Lighted Bell Buoy 7	REDINT / 3NM TEMP LED	18521	D13-1016-03	34/03	
10365	Price Island Light 35	EXT / DBD MISS / TRUB	18523	D13-0818-03	28/03	
10425	Puget Island Light 49	EXT / Structure DMGD / TRLB	18523	D13-1169-03	38/03	
12380	John Day Dam Rear Range Light	EXT	18535	D13-0074-04	03/04	
14530	Chinook Channel Light 5	EXT	18521	D13-0085-04	03/04	
15545	Grays Harbor Bar Range Rear Light	EXT	18502	D13-0083-04	03/04	
15555	Grays Harbor Entrance Lighted Whistle Buoy 3	REDINT / 3NM TEMP LED	18502	D13-1466-03	47/03	
16075	Quillayute River Approach Lighted Whistle Buoy Q	REDINT / 3NM TEMP LED	18480	D13-0883-03	30/03	
16370	Rosario Strait Traffic Lane Separation Lighted Buoy RA	RACON INOP	18465	D13-0044-04	02/04	
17360	Nisqually Flats Lighted Buoy 3	EXT	18448	D13-0079-04	03/04	
17615	Kilisut Harbor Daybeacon 8	Structure MISS / TRUB	18441	D13-0710-03	25/03	
19935	International Boundary Range C Front Light	IMPCHA	18421	D13-1191-02	38/02	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

<u>LLNR</u>	<u>Aid Name</u>	<u>Status</u>	<u>Chart No</u>	<u>BNM Ref.</u>	<u>LNM St</u>	<u>LNM End</u>
12155	Lake Celilo Light 1	LWP	18533	D13-0080-04	01/04	03/04
12160	Lake Celilo Light 3	LWP	18533	D13-0081-04	01/04	03/04
16001	Westhaven Cove Light 7	LWP	18502	D13-0073-04	52/03	03/04
16510	Puget Sound Traffic Lane Separation Lighted Buoy SC	LWP	18441	D13-0065-04	02/04	03/04
19325	Davidson Rock Light 1	LWP	18421	D13-0068-04	31/03	03/04

DISCREPANCIES (PRIVATE AIDS)

<u>LLNR</u>	<u>Aid Name</u>	<u>Status</u>	<u>Chart No</u>	<u>BNM Ref.</u>	<u>LNM St</u>	<u>LNM End</u>
9185	North Slough Channel Daybeacon 4	IMPCHA	18587	D13-1143-02	36/02	
9190	North Slough Channel Daybeacon 8	IMPCHA	18587	D13-1144-02	36/02	
10717	Willow Grove Boat Launch Light 1	IMPCHA	18524	D13-0021-04	01/04	
16880	Georgetown Reach Range Front Light	EXT	18449	D13-0061-04	02/04	
17731	Mariculture Lighted Buoys (2)	MISS (1 of 2 buoys)	18441	D13-0329-03	11/03	
18021	Eagle Harbor Line Mooring System Lighted Buoys	EXT	18441	D13-1012-03	34/03	
18131	NOAA Research	TEMP DISCON	18447	D13-0677-03	25/03	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

<u>LLNR</u>	<u>Aid Name</u>	<u>Status</u>	<u>Chart No</u>	<u>BNM Ref.</u>	<u>LNM St</u>	<u>LNM End</u>
None						

SECTION III – TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

TEMPORARY CHANGES

<u>LLNR</u>	<u>Aid Name</u>	<u>Status</u>	<u>Chart No</u>	<u>BNM Ref.</u>	<u>LNM St</u>	<u>LNM End</u>
14425	Baker Bay West Channel Buoy 3	TEMP Off Station Due To Dredging	18521	D13-0841-03	29/03	
16856	Coast Guard Pier Light North	TEMP DISCON	18449	D13-0729-03	26/03	
16857	Coast Guard Pier Light South	TEMP DISCON	18449	D13-0729-03	26/03	

TEMPORARY CHANGES CORRECTED

<u>LLNR</u>	<u>Aid Name</u>	<u>Status</u>	<u>Chart No</u>	<u>BNM Ref.</u>	<u>LNM St</u>	<u>LNM End</u>
None						

SECTION IV – CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only. It is up to the mariner to decide which Chart(s) are to be corrected. The following example explains the individual elements of a typical chart correction.

Chart Number ↓	Chart Edition ↓	Edition Date ↓	Last Local Notice to Mariners ↓	Horizontal Datum Reference ↓	Source of Correction ↓	Current Local Notice to Mariner ↓
18427	20 TH ed	3/18/2000	Last LNM 25/99	NAD 83	(NOS Silver Spring)	40/99
Chart Title: WA – ANACORTES TO SKAGIT BAY -						
(Temp)	Add	Ben Ure Island Light 2, Fl R 4s, 25ft 4M			at	48°24'12.1"N 124°37'42.0"W
	↑ Corrective Action	↑ Object of Correction Action				↑ Position

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true. Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

18523	54th ed	Oct 2003	Last LNM 02/04	NAD 83	(NOS NW -7254)	03/04
Chart Title: OR-WA-COLUMBIA RIVER HARRINGTON POINT TO CRIMS ISLAND						
Add	Tabulation: Columbia River MILLER SANDS RANGE TO GULL ISLAND TURN			centered	at	46-08-44.0N 123-32-06.0W
18524	33rd ed	23 Jan 2002	Last LNM 51/03	NAD 83	(NOS NW -7255)	03/04
Chart Title: OR-WA-COLUMBIA RIVER CRIMS ISLAND TO SAINT HELENS						
Add	Tabulation: Columbia River GULL ISLAND TURN & CHANNEL TO SAINT HELENS TURN			centered	at	46-03-45.0N 122-57-49.0W
18525	33rd ed	30 Jun 2001	Last LNM 48/03	NAD 83	(NOS NW -7256)	03/04
Chart Title: OR-WA-COLUMBIA RIVER SAINT HELENS TO VANCOUVER						
Add	Tabulation: Columbia River SAINT HELENS TURN TO TOMAHAWK BAR			centered	at	45-36-47.0N 122-51-51.0W
18526	55th ed	26 May 2001	Last LNM 50/03	NAD 83	(NOS NW -7257)	03/04
Chart Title: OR-WA-PORT OF PORTLAND INCLUDING VANCOUVER						
Add	Tabulation: Columbia River MORGAN CHANNEL TO TOMAHAWK BAR			centered	at	45-32-36.0N 122-45-19.0W
18531	20th ed	10 Nov 2001	Last LNM 50/03	NAD 83	(NOS NW -7265)	03/04
Chart Title: OR-WA-COLUMBIA RIVER VANCOUVER TO BONNEVILLE						
Add	Tabulation: Columbia River TOMAHAWK BAR TO BONNEVILLE LOCKS			centered	at	45-38-08.0N 122-14-55.0W
18587	68th ed	25 Aug 2001	Last LNM 50/03	NAD 83	(NOS NW -7233)	03/04
Chart Title: OR-COOS BAY						
Add	Tabulation: Columbia River - Coos Bay and Isthmus, OR			centered	at	43-22-51.0N 124-15-07.0W

OIL RIG MOVEMENT

Drill Rigs/Vessels Removed						
Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						
Drill Rigs/Vessels Established						
Latitude	Longitude	Block	Rigs/Vessel	Chart	Type	Status
None						

SECTION V - ADVANCE NOTICES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

Waterway	Project Date	Ref. LNM
None		

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office Attn John Barberi (206) 220-7276 unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – GRAYS HARBOR	06 Feb 2004		LNM: 52/03

Navigation Aids: To accommodate Light Emitting Diode (LED) Lanterns, change nominal ranges as indicated below:

Grays Harbor Approach Lighted Whistle Buoy "GH" (LLNR 15535/725); from 6 to 5 nautical miles
Grays Harbor Entrance Lighted Whistle Buoy 4 (LLNR 15560); from 3 to 4 nautical miles
Grays Harbor South Reach Lighted Junction Buoy "SC" (LLNR 15660); from 3 to 4 nautical miles
Grays Harbor North Channel Lighted Buoy 32 (LLNR 15755); from 3 to 4 nautical miles
Grays Harbor North Channel Lighted Buoy 34 (LLNR 15760); from 4 to 5 nautical miles
Chart 18502

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – APPROACHES TO YAQUINA AND DEPOE BAY – Yaquina Bay	06 Feb 2004		LNM: 52/03

Navigation Aid: To accommodate Light Emitting Diode (LED) Lanterns, change nominal range as indicated below:

Yaquina Bay Channel Lighted Buoy 9 (LLNR 9645); from 5 to 4 nautical miles
Chart 18561

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – COOS BAY	06 Feb 2004		LNM: 52/03

Navigation Aids: To accommodate Light Emitting Diode (LED) Lanterns, change nominal ranges as indicated below:

Coos Bay Channel Lighted Buoy 23 (LLNR 8955); from 5 to 4 nautical miles
Coos Bay Channel Lighted Buoy 29 (LLNR 9005); from 4 to 3 nautical miles
Chart 18587

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
PACIFIC OCEAN TO HARRINGTON POINT – Columbia River	06 Feb 2004		LNM: 52/03

Navigation Aids: To accommodate Light Emitting Diode (LED) Lanterns, change nominal ranges as indicated below:

Clatsop Spit Lighted Whistle Buoy 14 (LLNR 9970); from 3 to 4 nautical miles
Tongue Point Channel Lighted Buoy 43 (LLNR 10155); from 5 to 4 nautical miles
Chart 18521

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – PUGET SOUND – SEATTLE TO OLYMPIA – Blair Waterway	20 Feb 2004		LNM: 02/04

Navigation Aids: To properly align the waterway, rename/renumber the aids to navigation indicated below:

Change Blair Waterway Light 1 (LLNR 14166) to Blair Waterway Light 3 (LLNR 14166)
Change Blair Waterway Light 2 (LLNR 17167) to Blair Waterway Light 4 (LLNR 17167)
Change Blair Waterway Light 3 (LLNR 17168) to Blair Waterway Light 5 (LLNR 17168)
Change Blair Waterway Light 4 (LLNR 17169) to Blair Waterway Light 6 (LLNR 17169)
Chart 18448

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT	27 Feb 2004		LNM: 03/04

Navigation Aid: To accommodate Light Emitting Diode (LED) Lantern, change nominal range as indicated below:

Peacock Spit Lighted Bell Buoy 7 (LLNR 9930) from 4 to 3 nautical miles
Chart 18521

SECTION VII - GENERAL

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

OREGON - Bridge Information

Wishkah River
The Wishkah Street Railroad Bridge at mile 0.4 is stuck in the closed position until further notice.
Chart 18502
LNM: 47/03

OREGON - Bridge Information

Coquille River

The vertical lift span of the Bullard Ferry Bridge at Coquille River mile 3.5 is inoperable in the closed position until further notice.
Chart 18588 LNM: 20/03

OREGON - Bridge Information

Coos Bay

The Coos Bay Railroad Bridge, at mile 9.0, swing span has a mechanical failure and can only be opened by tug. Mariners should provide as much notice as possible for openings until a broken drive shaft is repaired. The bridge operator monitors VHF-FM channel 18A when bridge is in operation. The bridge operator can also be reached at (541) 912-8691.
Chart 18587 LNM: 34/03

COLUMBIA RIVER - SNAKE RIVER - Bridge Information

Longview

Work platforms have been installed at various locations underneath the Lewis and Clark Bridge reducing vertical clearance by approximately 8 feet. Mariners are advised that the overhead deck replacement presents a risk of falling debris.
Chart 18524 LNM: 35/03

WASHINGTON - Bridge Information

Duwamish West Waterway

The Spokane Street Dual Swingspan at mile 0.3 – Vessel operators who need draw openings are requested to pass through a west span opening whenever safe passage through this half-opening is possible. The Coast Guard recognizes this limited operation for consenting vessels only. Cracking has been discovered in the vertical lift cylinder of the east span. The manufacture and replacement of this unique part will take months. Minimizing the load bearing of the cylinder may prevent a failure of the east span similar to the one that occurred in 2001 at the west span. Operators will continue to open both sides of the bridge to any vessel that requests a full opening.
Chart 18450 LNM: 11/02

WASHINGTON - Bridge Information

Tacoma Narrows Bridge - (Revision of LNM 31/03)

Construction – Derrick barges will be deployed at various locations around the pier locations for the new parallel bridge near the piers of the existing Tacoma Narrows Bridge. Buoys have been deployed to mark anchor cables for retrieval this summer when caissons are floated into position for the new footing excavation. These buoys are in the process of being lighted and repainted for improved visibility. Lights may be extinguished by submersion in strong currents. A free channel 1600 feet wide currently exists. Mariners should exercise caution while passing construction activity. Further updates will be included in this publication.
Charts 18448, 18474 LNM: 32/03

WASHINGTON - Bridge Information

Tacoma Narrows Bridge - (Revision of LNM 31/03)

The Coast Guard has issued a safety zone regulation until 06 Feb 04, for all waters of the Tacoma Narrows, Puget Sound, and adjoining waters of Washington state, within a 250 yard radius around each of the following coordinates: 47-15-54N 122-32-49W and 47-16-15N 122-33-15W. No vessel will be allowed to transit this area without the permission of the Coast Guard. The Coast Guard may be reached on VHF-FM channel 16.
Charts 18448, 18474 LNM: 32/03

WASHINGTON - Bridge Information

Everett

State route 529 swingspan bridge across Steamboat Slough at Everett is inoperable due to mechanical failure until further notice.
Chart 18443 LNM: 36/03

Bridge Lighting Discrepancies:

Lights on the following bridges have been reported extinguished.

Waterway and Mile	Bridge Name	Location	Status	Date reported	BNM	LNM
None						

Bridge Lighting Discrepancies Corrected:

The following bridge discrepancies have been corrected since the last Local Notice to Mariners:

Waterway and Mile	Bridge Name	Location	Status	Date reported	BNM	LNM
None						

THIRTEENTH COAST GUARD DISTRICT - Reporting suspicious activity
 COLUMBIA RIVER - THREE TREE POINT - Research Buoys
 COLUMBIA RIVER - PORT OF ASTORIA - Construction
 COLUMBIA RIVER - ASTORIA - Construction Projects (Re vision of LNM 45/02)
 COLUMBIA AND SNAKE RIVERS - 2003 Winter Seasonal Lockage Schedule for Recreational Craft (revision to LNM 19/03)
 OREGON / WASHINGTON - COASTAL REGION - Tsunami Reporting System
 WASHINGTON - GRAYS HARBOR - Instrumentation Platforms
 WASHINGTON - ELLIOTT BAY - Terminal 46 Construction
 WASHINGTON - EAST PASSAGE - Construction
 WASHINGTON - ROSARIO STRAIT - Construction
 WASHINGTON - STRAIT OF JUAN DE FUCA - PUGET SOUND - Security Zone of Passenger Vessels (Revision to LNM 06/03)
 WASHINGTON - BELLINGHAM - Dredging and Construction
 WASHINGTON - PUGET SOUND - SEATTLE TO BREMERTON - Ongoing Construction of Pier 36
 WASHINGTON - COMMENCEMENT BAY - Tacoma - Construction Operations
 WASHINGTON - STRAIT OF JUAN DE FUCA ENTRANCE - Exposed Submarine Cable (Revision of LNM 42/01)
 WASHINGTON - PUGET SOUND - COMMENCEMENT BAY - Piling Removal Project
 WASHINGTON - PUGET SOUND - DUWAMISH WATERWAY - Submerged Barge (Revision of LNM 05/03)
 WASHINGTON - PUGET SOUND - Marine Events

SECTION VIII - LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14505	Baker Bay West Channel - Daybeacon 23	46 17 54 N 124 02 28 W *				SG on pile.	Ra ref. 03/04
15815	Cow Point -REACH RANGE G REAR LIGHT 600yds, 120° from front light.	46-57-17 N 123-48-53 W *	Iso W 6s	27		KRB on pile structure.	Visible 10°each side of Rangeline. *
18817	Swinomish Channel South Entrance -Daybeacon 14 *	48-22-05 N 122-31-18 W *				TR on dolphin.	03/04

PUBLICATION CORRECTIONS

The Dates of Latest Editions, Nautical Charts and Miscellaneous Maps, dated January 1, 2004, published by the National Ocean Service, is available for issue. It may be obtained free by mail from the National Aeronautical Charting Office, AVN-530, Federal Aviation Administration, 6303 Ivy Lane, Suite 400, Greenbelt MD, 20770-1479, by telephone at 1-800-638-8972 or from your local authorized nautical chart sales agent. This is a quarterly publication listing the most recent editions of nautical charts, miscellaneous maps and publications relating to navigation, weather, etc. with brief descriptions and up-to-date prices for most of the publications listed. Much of this information may also be obtained online at:
<http://chartmaker.ncd.noaa.gov/mcd/dole.htm>

Publication-National Ocean Service-U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2003 (35th) Edition. Change No. 20.

Coast Pilot 7 35th 2003

Corrections

Page 222-Paragraph 3993, line 9; read:
 Makai Test Range during testing phases.

§334.1420 Pacific Ocean off Orote Point, Apra Harbor, Island of Guam, Marianas Islands; small arms firing range.

(a) *The danger zone.* The waters within an area delineated by a line joining the following positions:

Latitude	Longitude
----------	-----------

13°26'03.9"	144°37'38.3"
13°25'26.0"	144°36'14.2"
13°24'51.2"	144°36'31.9"
13°25'28.7"	144°37'59.1"
13°25'43.2"	144°38'09.5"

(b) *The regulations.*

(1) The danger zone shall be closed to the public and shipping on specific dates to be designated for actual firing and no person, vessel or other craft

shall enter or remain in the danger zone designated for firing except as may be authorized by the enforcing agency. Notification to maritime interests of specific dates of firing will be disseminated by the enforcing agency. On dates not specified for firing, the danger zone shall be open to normal maritime traffic.

(2) The regulations in this section shall be enforced by the Commanding Officer, U.S. Naval Station, Guam, Marianas Islands and such agencies as he may designate.

§334.1430 Apra Inner Harbor, Island of Guam; restricted area.

(a) *The restricted area.* The waters within Apra Inner Harbor and adjacent waters of Apra Outer Harbor inclosed by a line beginning at the northeast corner of a pier at latitude 13°26'32.1"N., longitude 144°39'02.8"E., and thence to the northern tip of a small island at latitude 13°26'40.2"N., longitude 144°39'28.1"E., and thence to the northwest corner of the point of land at latitude 13°26'28.1"N., longitude 144°39'52.5"E.

(b) *The regulations.*

(1) All swimmers and all vessels and craft except public vessels of the United States are prohibited from entering this area without prior permission of the enforcing agency.

(2) The regulations in this section shall be enforced by Commander Naval Forces Marianas and such agencies as he may designate.

(3) The water areas of the outer boundaries of the restricted area will not be marked but signs will be posted at the designated boundary coordinates to warn against trespassing in the restricted area.

(33 CFR 334; NOS 81054)

Page 300-Paragraph 161, lines 1-3; read:
Two radio ...
(CL 1676/03)

Page 468-Paragraph 81, line 5; read:
boats, both are 22 meters in length with white hulls and ...

Publication-National Ocean Service-U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2003 (35th) Edition. Change No. 21.

Coast Pilot 7 35th 2003

Corrections

Page 10-Paragraph 171, line 7; read:

(CL 1627/03)

Page 468-Paragraph 81, line 9 through Paragraph 82, line 2; read:
communication can be made by calling "Puget Sound Pilots" on VHF-FM channel 13.

Pilotage should be arranged between 0800 and 1700 at least 24 hours in advance of inbound ETA through the vessel's agent, by direct ...
(CL 1627/03)

Page 470-Paragraph 121, line 14; read:
(48°19'06"N., 122°50'38"W.), 97 feet above the water is ...
(49/03 CG13; LL/03)

Page 472-Paragraph 163, line 1; read:
Ediz Hook Light (48°08'25"N., 123°24'08"W.), 60 feet ...
(49/03 CG13; LL/03)

Page 475-Paragraph 199, line 1; read:
Point Wilson Light (48°08'39"N., 122°45'17"W.), ...
(49/03 CG13; LL/03)

Page 479-Paragraph 247, line 6; read:
Patos Island Light (48°47'20"N., 122°58'17"W.), 52 feet ...
(49/03 CG13; LL/03)

Page 507-Paragraph 31, line 1; read:
Point Wilson Light (48°08'39"N., 122°45'17"W.), 51 ...
(49/03 CG13; LL/03)

Page 517-Paragraph 123, line 6; read:
(47°34'35"N., 122°25'14"W.), 39 feet above the water, is ...
(49/03 CG13; LL/03)

Page 548-Paragraph 395, line 4; read:
land. **Robinson Point Light** (47°23'17"N., 122°22'28"W.), ...
(49/03 CG13; LL/03)

Page 549-Paragraph 421, line 5; read:
Browns Point Light (47°18'22"N., 122°26'35"W.), 38 feet above the ...
(49/03 CG13; LL/03)

operating 24 hours a day. (See internet website: <http://www.weather.gov/>) Marine services are also provided ...

(Internet/04)

Page 315-Paragraphs 89-90; read:

Local Regulations

Tank Vessel Escort Regulations have been established by the State of California for San Francisco, San Pablo, and Suisun Bays. Tank vessel masters, owners, and operators are expected to be familiar, and in compliance, with Tank Vessel Escort Regulations. Failure to be in compliance may result in unsafe transits, transit delays, and fines. Excerpts from the regulations are below. The full text of the regulations can be found on the internet at www.dfg.ca.gov/ospr/organizational/msb/regulations/regulations.htm, or may be obtained by calling the California Office of Spill Prevention and Response 24-hour Communications Center at 916-445-0045. Tank vessel masters should contact their agent or vessel manager/owner for additional information. The San Francisco Marine Exchange may also be able to provide mariners with additional information and can be contacted at 915-441-6600.

(CL 1598/03)

Page 315-Paragraph 97, lines 5-6; read:
registered with the Clearing House.

(CL 1651/03)

Page 315-Paragraph 98, line 4; read:
the tank vessel shall report to the
Clearing House any ...

(CL 1651/03)

Page 315-Paragraph 98, lines 8-10; read:
waters of the state. For purposes of ...

(CL 1651/03)

Page 316-Paragraph 103 through Paragraph
108, read:

(d) This subchapter (except for this
Subsection 851.4(d)) shall not apply to
tankers with double hulls, as that term

is defined in 33 CFR 157.03, when the
tanker also has the following:

(1) Fully redundant steering and
propulsion systems to include:

(A) two independent propulsion
systems each with a dedicated propeller,
engine (or motor), electrical generation
system, electrical system (including the
switchboard), fuel system, lube oil
system, and any other system required to
provide the vessel with independent means
of propulsion; and

(B) two independent rudders each
with separate steering systems; and

(C) the propulsion and steering
components, as described in Subsection
(A) and (B) above, shall be arranged in
separate spaces, such that a fire or
flood in one space will not affect the
equivalent system in the other spaces(s);
and

(D) a bow thruster with an assigned
power source;

(2) A Navigation System in
compliance with the federal navigational
equipment requirements set forth in 33
CFR Sections 164.35, 164.37, 164.38(b),
164.40, 164.41, 164.42, and 164.43.

(3) No exemption to this subchapter
shall be allowed for a tanker requesting
a U.S. Coast Guard Captain of the Port
letter of deviation, pursuant to 33 CFR
Sections 164.51, 164.53, and 164.55.

(4) The Administrator may require
tankers that are exempt from this
subchapter under the conditions outlined
in Subsection (d) to periodically
demonstrate the tanker and crew's ability
to maneuver in response to a partial or
total loss of propulsion and/or steering
at a level of safety at least equal to
that of an escorted tanker.

(See **33 CFR 157**, chapter 2, for
regulations for Tank Vessels Carrying Oil
in Bulk and Maneuvering Performance
Capability, and **33 CFR 164**, chapter 2 for
Navigation Safety Regulations.)

(CL 1598/03; CL 1651/03)

Publication-National Ocean Service-U.S. Coast Pilot 7, Pacific Coast: California,
Oregon, Washington, Hawaii, and Pacific Islands, 2003 (35th) Edition. Change No. 22.

Coast Pilot 7 35th 2003

Corrections

Page 316-Paragraph 122, lines 3-6; read:
sufficient size and capability, as
specified in sections 851.9 (for tankers)
and 851.9.1 (for barges) (not carried in
this Coast Pilot).

(CL 1651/03)

Page 317-Paragraph 136, line 2; read:
required in section 851.9 (for tankers)
or 851.9.1 (for barges);

(CL 1651/03)

Page 317-Paragraph 149, lines 3-4; read:

notify the Clearing House that the plan has been reviewed, and shall inform the Clearing House of the ...

(CL 1651/03)

Page 317-Paragraph 152, line 2; read: enumerated in subsection 851.5.1(a), as well as a schematic ...

(CL 1651/03)

Page 317-Paragraph 153, lines 7-9; read: is no pilot on board, the master shall notify the Clearing House when the Checklist has been completed and shall inform the Clearing House of the tugs that have ...

(CL 1651/03)

Page 318-Paragraph 156, lines 2-4; read: complete the checklist and electronically send the completed form to the master and the Clearing House:

(i) before the vessel's estimated time of arrival to the San Francisco Bay Pilotage area, or

(ii) before the vessel's arrival at the San Francisco Bay Precautionary Area, or

(iii) after the vessel's departure from its last Port of Call.

(CL 1598/03; CL 1651/03)

Page 318-Paragraph 158, line 2; read: Checklist as cited in subsection 851.5.1(d) and ...

(CL 1651/03)

Page 318-Paragraph 158, lines 6-8; read: notify the Clearing House that the planning process has been completed, and

shall inform the Clearing House of the tugs that have been chosen for the escort.

(CL 1651/03)

Page 318-Paragraph 162, line 2; read: adequate, the pilot shall notify the Clearing House, ...

(CL 1651/03)

Page 318-Paragraph 167, lines 3-6; read: is submitted to the Clearing House within 14 days after the transit covered by the Checklist. The master, pilot, ship's agent or vessel owner/operator may send the copy to the Clearing House. A copy of the Checklist ...

(CL 1651/03)

Page 318-Paragraph 169, line 5; read: vessel's name and position to the Clearing House, ...

(CL 1651/03)

Page 318-Paragraph 172, lines 4-5; read: tank vessel shall report the following to the Clearing House:

(CL 1651/03)

Page 319-Paragraph 186, lines 3-4; read: the Clearing House upon arrival at the following locations:

(CL 1651/03)

Page 319-Paragraph 192, lines 2-3; read: written casualty report with the Clearing House within 72 hours of occurrence. The Clearing House shall ...

(CL 1651/03)

Publication-National Ocean Service-U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2003 (35th) Edition. Change No. 23.

Coast Pilot 7 35th 2003 Corrections

Page 254-Paragraph 201, lines 1-2; read:

The **Marine Exchange** of Southern California records, classifies, and disseminates information ...

(CL 1804/03)

Page 254-Paragraph 203, lines 8-9; read: recorded by the Marine Exchange of Southern California; please contact the Marine Exchange for more ...

(CL 1804/03)

Page 255-Paragraph 205, lines 2-5; read: mandatory service and a federally mandated Vessel Movement Reporting System (VMRS), and is designed to enhance

navigational safety in the main approaches to the ports of Los Angeles and Long Beach. Mandatory participation and monitoring of VHF-FM channel 14 is required by state and federal ...

(CL 1804/03)

Page 255-Paragraph 211, line 7 through Paragraph 212, line 1; read: basins.

Active User (VMRS)

The following vessels are required to comply with ...

(CL 1804/03)

Page 255-Paragraph 215, line 3 through Paragraph 216, line 1; read:
power.

Passive User (VTS)

These vessels are required to monitor VHF-FM ...
(CL 1804/03)

Page 255-Paragraph 219 through Paragraph 220, line 1; read:
(c) Every dredge or floating plant.

Non Participant

Vessels that do not fall into the active or passive user categories such as fishing boats, yachts, and recreational ...
(CL 1804/03)

Page 256-Paragraph 246, lines 2-6; read:
the **VTS Users Manual** is available on board the vessel when operating within

Publication-National Ocean Service-U.S. Coast Pilot 7, Pacific Coast: California, Oregon, Washington, Hawaii, and Pacific Islands, 2003 (35th) Edition. Change No. 24.

Coast Pilot 7 35th 2003 Corrections

Page 242-Paragraph 14, lines 2-4; read:
a fishing pier extending 400 yards to seaward.
(CL 1753/03)

Page 244-Paragraph 54, line 10; read:
pilots are made by telephone (dispatch 619-233-3096) or (office 619-233-3094), fax (619-233-3095), or by ...
(CL 1753/03)

Page 245-Paragraph 57, line 1; read:
Tugs to 3,500 hp are available from commercial operators ...
(CL 1753/03)

Page 245-Paragraph 59, line 26; read:
619-557-5370 during normal business hours and 619-557-5132 24-hours a day.
(CL 1753/03)

Page 245-Paragraph 62, line 10; read:
619-686-6346 or fax 619-686-6354.
(CL 1753/03)

Page 245-Paragraph 64, line 5; read:
regulations.) A series of floating protection barriers, anchored by lighted buoys, surrounds the Naval facility within the security zone. **Security zones** are in effect around all cruise ships entering, leaving, and berthed at the Port of San Diego. (See **165.1 through**

the VTS area. The manual is available at no charge from Executive Director, Marine Exchange of Southern California, P.O. Box 1949, San Pedro, CA 90733, phone ...
(CL 1804/03)

Page 258-Paragraph 266, lines 11-13; read:
as high-rise apartment buildings.
(CL 1804/03)

Page 258-Paragraph 272, line 4; read:
through 165.13 and 165.1152, chapter 2, for limits ...
(CL 1804/03)

Page 259-Paragraph 282, Delete.
(CL 1804/03)

Page 264-Paragraph 365, line 6; read:
cargo; operated by Pacific Container Terminal. Two marked ...
(CL 1804/03)

165.8, 165.30, 165.33, and 165.1108, chapter 2 for limits and regulations.)
(CL 1110/03; NOS 18773; 35/03 CG11; CL 1753/03)

Page 246-Paragraph 72, line 3; read:
1,120 feet of berthing space; 31 feet alongside; ...
(CL 1753/03)

Page 246-Paragraph 73, line 3; read:
2,580 feet of berthing space; 34 to 35 feet alongside; ...
(CL 1753/03)

Page 246-Paragraph 74, line 3; read:
space; 41 feet alongside; deck height, 13 feet; one ...
(CL 1753/03)

Page 246-Paragraph 76, line 4 through Paragraph 77; read:
height, 13 feet; about 188 acres of paved open storage; receipt and shipment of general cargo and automobiles in foreign and domestic trade.

San Diego Unified Port District, National City Marine Terminal, Berths 24-3, 24-4, and 24-5: concrete bulkhead; 1,000 feet of berthing space and 35 to 37 feet alongside at Berths 24-3 and 24-4; 1,025 feet of berthing space and 42 feet alongside at Berth 24-5; deck height, 13 feet; receipt and shipment of general

cargo and automobiles in foreign and domestic trade.

(CL 1753/03)

Page 274-Paragraph 527, line 7; read:
from 0600 to 0200 daily.

(CL 1752/03)

Page 396-Paragraph 134, lines 6-7; read:
bascule bridge. In September 2003, the
controlling depth was 16 feet (17 feet at
midchannel) to the basin, thence 16 feet
...

(BP 181838)

Page 396-Paragraph 135, lines 3-6; read:
across the slough from **Barview**. In
September 2003, the controlling depth was

16 feet (17 feet at midchannel) from the
entrance to the basin, thence depths of 8
to 16 feet were available in the basin
with lesser depths along the N edge. The
basin is used by commercial ...

(BP 181838)

Page 415-Paragraph 42, line 7; read:
Notice to Mariners for controlling ...

(CL 998/03)

Page 415-Paragraph 43, lines 20-21; read:
Lewiston, Idaho. (See Notice to Mariners
for controlling depths.) Additional
information ...

(CL 998/03)

Publication-National Ocean Service-U.S. Coast Pilot 7, Pacific Coast: California,
Oregon, Washington, Hawaii, and Pacific Islands, 2003 (35th) Edition. Change No. 25.

Coast Pilot 7 35th 2003

Corrections

Page 261-Paragraph 309, line 7; read:
POLARIS and VEGA, have yellow hulls and
white cabins ...

(DD 4723)

(DD 4723)

Page 374-Paragraph 145, line 1; read:
Cape Mendocino Light (40°26'23"N.,
124°24'22"W.), ...

(48/03 CG11)

Page 261-Paragraph 309, line 23; read:
with the ladder about 2 meters above the
water, and a ...

ENCLOSURES

Oregon - Washington - Columbia River - Dredging Operations >See Append 1<
Tabulation: Columbia River MILLER SANDS RANGE TO GULL ISLAND TURN >See Append 2<
Tabulation: Columbia River GULL ISLAND TURN & CHANNEL TO SAINT HELENS TURN >See Append 3<
Tabulation: Columbia River SAINT HELENS TURN TO TOMAHAWK BAR >See Append 4<
Tabulation: Columbia River MORGAN CHANNEL TO TOMAHAWK BAR >See Append 5<
Tabulation: Columbia River TOMAHAWK BAR TO BONNEVILLE LOCKS >See Append 6<
Tabulation: COOS BAY AND ISTHMUS, OR >See Append 7<

If you have any questions, comments, or need additional information concerning this or other LNMs or the LNM Mailing List (e.g. additions, deletions, corrections) contact the address or phone number on the front page.

D. R. McCRIMMON, JR.
Commander, U.S. Coast Guard
Chief, Aids to Navigation & Waterways Management Branch
Thirteenth Coast Guard District
By direction of the District Commander

OREGON – WASHINGTON – COLUMBIA RIVER – Dredging Operations

Dredging operations are planned or in progress at the following locations :

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area
In progress	29 Feb 04	24 hours 7 days	<u>Head of Blair Waterway</u>	Vulcan Viking	Peter M Wollochet Rockport Southport	8, 13, 16, and 66 VHF-FM	DNR Disposal Site
In progress	29 Feb 04	0600 to 1800 Mon through Sat	<u>East Waterway of the Duwamish</u> Between Port of Seattle Terminal 18 and Terminals 25 to 30	Mason Derrick 8		8 VHF-FM	Port of Seattle Terminal 25
In progress	29 Feb 04	24 hours 7 days	<u>Columbia River</u> River Mile 96 to 100	Dredge 10		13 and 16 VHF-FM	Ashore at Fazio Brothers Sand Pit
In progress	28 Feb 04	0700 to 1700 Mon through Sat	<u>St Helens</u> River Mile 82.6	Sea Hawk Sea Vulture		7 VHF-FM	
In progress	15 Feb 04	24 hours 7 days	<u>Charleston Marine Complex</u>	Ross Island Dredge #5		13, 16 and 80 VHF-FM	Flow Lane Disposal
In progress	15 Feb 04	24 hours 7 days	<u>St Paul Waterway</u>	Viking	Wollochet	13, 16 and 66 VHF-FM	Dump Site South of Cypress Island
In progress	Approx. 14 Feb 04	24 hours 7 days	<u>Commencement Bay</u> Hylebos Waterway	Crystal Gayle**	Norton Bay	13, 68 and 69 VHF-FM	Within 600 ft of 47-18-12.6N 122-27-54.6W

*US Army Corps of Engineer dredges request mariners transit at their slowest safe speed to minimize wake when in the vicinity of a dredge and proceed after passing arrangements have been made.

** This dredge operation will occupy a considerable amount of space. As much notice as possible is requested when access to and from Hylebos Waterway is necessary.

CHART 18523									
COLUMBIA RIVER CHANNEL DEPTHS MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 2, 2003									
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (ICRD) * SEE FOOTNOTE						PROJECT DIMENSIONS			
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH C/D (FEET)	
MILLER SANDS RANGE	43	43	41	38	10-03	600	2.2	40	
PILLAR ROCK LOWER RANGE	38	41	41	37	10-03	600	3.0	40	
PILLAR ROCK UPPER RANGE	37	41	41	38	10-03	600	1.9	40	
WELCH ISLAND REACH	42	43	45	38	10-03	600	3.2	40	
SKAMOKAWA CHANNEL	24	42	43	37	11-03	600	3.3	40	
STEAMBOAT REACH	50	48	45	42	11-03	600	1.4	40	
PUGET ISLAND RANGE AND TURN	43	42	43	37	11-03	600	3.5	40	
WAUNA RANGE	39	41	44	44	11-03	600	2.2	40	
DRISCOLL RANGE	38	42	42	42	11-03	600	1.7	40	
WESTPORT TURN AND RANGE	37	42	42	43	11-03	600	2.0	40	
WESTPORT CHANNEL	40	43	42	42	8,11-03	600	2.4	40	
EUREKA LOWER CHANNEL	42	43	43	43	8-03	600	2.1	40	
EUREKA UPPER CHANNEL	42	42	42	41	8-03	600	0.8	40	
OAK POINT CHANNEL	46	46	44	39	10-03	600	2.4	40	
GULL I TURN AND CHANNEL	45	44	41	38	9,10-03	600	2.2	40	
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES TO THE ABOVE INFORMATION									

CHART 18524

COLUMBIA RIVER CHANNEL DEPTHS GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 2, 2003								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
GULL I TURN AND CHANNEL	45	44	41	38	9-10-03	600	2.2	40
STELLA RANGE	37	40	39	36	9-03	600	2.8	40
FISHER I CHANNEL	40	44	42	42	10-03	600	0.9	40
WALKER I CHANNEL	37	41	41	39	10-03	600	1.5	40
BARLOW PT. CHANNEL	44	44	44	40	10-03	600	1.3	40
SLAUGHTERS CHANNEL	36	38	38	38	6-03	600	2.3	40
SLAUGHTERS TURN AND CHANNEL								
OPPOSITE THE TURNING BASIN	38	39	38	35	6-03	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	44	45	44	42	10-03	600	1.7	40
COTTONWOOD ISLAND TURN	42	40	39	37	10-03	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE	41	41	41	37	10-03	600	1.6	40
KALAMA LOWER RANGE	41	39	39	35	10-03	600	1.8	40
KALAMA UPPER RANGE	40	41	41	39	10-03	600	2.2	40
BYBEE LEDGE CHANNEL	41	42	43	38	10-03	600	2.1	40
MARTIN ISLAND CHANNEL	40	41	39	37	10-03	600	2.1	40
MARTIN ISLAND RANGE	40	42	43	41	10-03	600	1.4	40
COLUMBIA CITY CHANNEL	39	41	41	40	10-03	600	1.2	40
ST. HELENS RANGE	39	43	41	41	11-03	600	2.0	40
ST. HELENS TURN	43	42	42	42	11-03	600	1.7	40
* CONTROLLING DEPTHS ROUNDED TO NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 18525

COLUMBIA RIVER CHANNEL DEPTHS SAINT HELENS TURN TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORTS OF DECEMBER 2, 2003								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ST. HELENS TURN	43	42	42	42	11-03	600	1.7	40
WARRIOR ROCK RANGE	40	42	42	40	10-03	600	1.3	40
DUCK CLUB TURN	37	42	43	40	10-03	600	1.4	40
HENRICI RANGE	40	41	37	39	11-03	600	2.6	40
FALES CHANNEL	43	43	42	39	11-03	600	1.1	40
KNAPP POINT CHANNEL	38	40	39	38	10-03	600	1.8	40
WILLOW LOWER RANGE	39	41	41	38	10-03	600	2.1	40
WILLOW UPPER RANGE	41	43	41	44	10-03	600	1.1	40
MORGAN TURN	43	46	49	47	10-03	600	1.0	40
MORGAN CHANNEL	46	44	42	41	10-03	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	48	51	11-03	500	1.0	40
VANCOUVER RANGE	40	42	42	41	11-03	500	1.3	40
VANCOUVER UPPER CHANNEL	42	42	41	38	11-03	500	0.9	40
VANCOUVER LOWER TURNING BASIN	34	38	41	31	10-03	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	25	25	22	10-03	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 18526

COLUMBIA RIVER CHANNEL DEPTHS MORGAN CHANNEL TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 2, 2003								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
MORGAN CHANNEL	46	44	42	41	10-03	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	48	51	11-03	500	1.0	40
VANCOUVER RANGE	40	42	42	41	11-03	500	1.3	40
VANCOUVER UPPER CHANNEL	42	42	41	38	11-03	500	0.9	40
VANCOUVER LOWER TURNING BASIN	34	38	41	31	10-03	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	25	25	22	10-03	800	0.9	36
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT								
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 18531

COLUMBIA RIVER CHANNEL DEPTHS TOMAHAWK BAR TO BONNEVILLE LOCKS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF DECEMBER 2, 2003							
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
TOMAHAWK BAR	18	18	17	11-03	300	3.7	27
AIRPORT BAR	17	18	17	10-03	300	2.8	27
GOVERNMENT ISLAND LOWER RANGE	14	17	16	10-03	300	1.1	27
GOVERNMENT ISLAND MIDDLE RANGE	15	16	16	10-03	300	1.6	27
FISHER QUARRY CHANNEL RANGE	29	26	21	10-03	300	1.0	27
GOVERNMENT ISLAND RANGE	25	29	26	10-03	300	1.1	27
GOVERNMENT ISLAND UPPER RANGE	17	18	23	10-03	300	0.8	27
LADY ISLAND RANGE	19	21	24	10-03	300	2.1	27
LADY ISLAND CHANNEL AND UPPER RANGE	28	30	20	10-03	300	0.9	27
WASHOUGAL LOWER RANGE	22	28	30	10-03	300	1.5	27
WASHOUGAL UPPER RANGE	18	29	29	10-03	300	1.1	27
GARY ISLAND RANGE	17	17	17	10-03	300	0.9	27
REED ISLAND RANGE	17	17	15	10-03	300	2.2	27
TUNNEL POINT CHANNEL	24	25	26	10-03	300	0.8	27
ROOSTER ROCK CHANNEL	26	23	25	10-03	300	1.2	27
CAPE HORN CHANNEL	34	32	31	10-03	300	2.4	27
CANDIANA CHANNEL	16	38	36	10-03	300	1.0	27
FASHION REEF LOWER RANGE	12	19	21	10-03	300	2.2	27
MULTNOMAH FALLS BAR RANGE	13	23	16	10-03	300	1.3	27
MULTNOMAH FALLS TURN	12	20	21	10, 11-03	300	0.8	27
MULTNOMAH FALLS UPPER RANGE	18	21	24	11-03	300	3.2	27
MCGOWANS CHANNEL	39	34	25	11-03	300	1.1	27
WARRENDALE LOWER RANGE	20	22	23	11-03	300	0.9	27
WARRENDALE UPPER RANGE	21	28	22	11-03	300	0.8	27
HAMILTON ISLAND REACH	21	30	27	11-03	300	0.9	27
ENTRANCE TO BONNEVILLE LOCKS	22	22	22	3-00	300	0.6	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							

CHART 18587

COOS BAY AND ISTHMUS SLOUGH CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2003							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE RANGE	39	39	39	9-03	—	1.9	47-37
ENTRANCE RANGE AND TURN	39	46	32	8-03	300-1050	0.5	37
INSIDE RANGE	38	38	38	8-03	300	0.6	37
COOS BAY RANGE	36	37	37	8,9-03	300	1.6	37
EMPIRE RANGE	36	37	38	9-03	300	1.3	37
LOWER JARVIS RANGE	36	37	36	10-03	300	0.8	37
JARVIS TURN	42	37	35	10-03	300	0.5	37
UPPER JARVIS RANGE	33	34	34	9-03; 10-03	300-700	1.9	37
NORTH BEND LOWER RANGE	39	38	35	9-03	400	0.4	37
NORTH BEND RANGE	33	37	36	10-02,3-03	400	0.9	37
NORTH BEND UPPER RANGE	36	38	37	3-03	400	0.6	37
LOWER TURNING BASIN	37	38	38	3-03	400-900	0.3	37
FERNDALDE LOWER RANGE	39	39	39	3-03	400	0.4	37
FERNDALDE TURN	37	38	38	3-03	400	0.2	37
FERNDALDE UPPER RANGE	35	37	38	3-03	400	0.7	37
MARSHFIELD RANGE	37	37	36	10-02,3-03	400	0.4	37
MARSHFIELD RANGE TO ISTHMUS SLOUGH	37	37	32	3-03	150-750	0.9	37
ISTHMUS SLOUGH	19	20	19	4-85	150	2.0	22
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							